This symbol on the product or in the instructions means that your electrical and electronic equipment should be disposed at the end of its life separately from your household waste.
There are separate collection systems for recycling in the EU.
For more information, please contact the local authority or your retailer where you purchased the product.

GB English

DAB/MP3 Player
MP170

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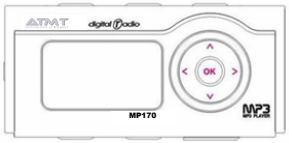
ATMT
TECHNOLOGY AT ITS BEST

Components



ATMT DAB

Earphone (Antenna)

USB Cable

CD - USB Driver
(Include Instruction Manual)

Quick Guide Manual

Note

■ Design of accessories is subject to change without notice.

Features

- **DAB Reception**

  Listening to your DAB radio is made easy with Auto Search, Manual Search and Local/ Full Scan functions.

- **MP3 and WMA**

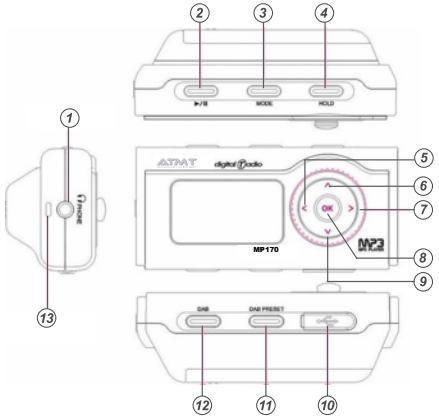
  This player supports MP3 and WMA playback.

- **USB 2.0 High Speed**

  With USB 2.0 high speed PC, data speed transfer is 25 Mbps.

ATMT
TECHNOLOGY AT ITS BEST

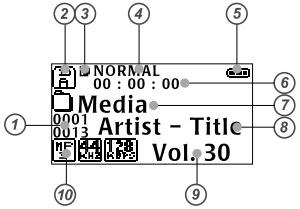
Keys and Controls



1. Earphone Jack
2. Power On/ Off/ Play/ Pause/ Cancel
3. Mode Change
4. Hold On/ Off
5. Previous/ REW
6. Up
7. Next/ FF
8. Confirm Menu/ Navi
9. Down
10. USB Connector
11. Save/ Delete Preset
12. DAB Record Start/ Stop
13. Strap Hole

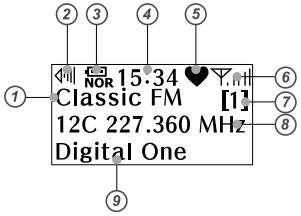
LCD Screen Display

1. Locating the MUSIC MODE Icons



1. File Number
2. Repeat
3. Play/ Pause
4. EQ
5. Battery Status
6. Playing Time
7. Folder Name
8. Artist/ File Name
9. Volume
10. File Info
    (Format/ Bit Rate/ Data Rate)

2. Locating the DAB MODE Icons

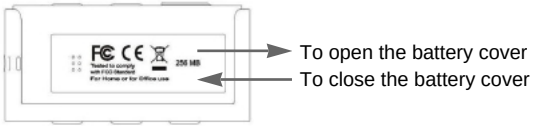


1. Service label
2. Volume
3. Battery / EQ
4. Time
5. Preset Mode
6. Signal Strength
7. Preset Number
8. Frequency Info
9. Ensemble Label / DAB Record
   Progressive Bar / Manual Tune
   Frequency (Manual Tune Only)

ATMT
TECHNOLOGY AT ITS BEST

Before first use follow the steps detailed below

1. **Connect the earphone jack to the earphone socket on the player.**
2. **Open the battery cover.**
3. **Insert the battery.** (1x AA : Recommend a alkaline battery) Be sure to match the + and - ends of the battery with the diagram inside the battery compartment.
4. **Close the battery cover.**



- **To adjust the volume, move the control stick UP or DOWN. (UP : increase volume, DOWN : decrease volume)**

Note

- The earphones cable also serves as an aerial. To get optimal signal reception, avoid coiling the earphone cord. And using the original earphone is highly recommended.
- To avoid corrosion, remove the battery if the player is not to be used for a long time.
- Remove dead battery immediately to avoid damage from corrosion.
- When corrosion occurs, wipe the battery compartment immediately with a dry cloth and insert a new battery.

Turning on/ off the player

1. **Turning on the player**
   : Press the ▶/II button to turn on the player.
2. **Turning off the player**
   : Press and hold the ▶/II button to turn off the player.
3. **To change volume, move control stick**

up or down.
4. **Press and hold the MODE button for 3 seconds to select either MP3 or DAB mode.**

Note

- If the player doesn't power on, please try replacing the battery.
- To operate the hold function, press the Hold Switch for 3 seconds. Press again for 3 seconds to disable the Hold function.
- If the player doesn't power off, please check whether the HOLD button is set to HOLD ON.

Using Manual Mode

Note

- Area factory default value is UK.
- When using for the first time, the unit will start AUTO SCAN automatically.

Manual Tune

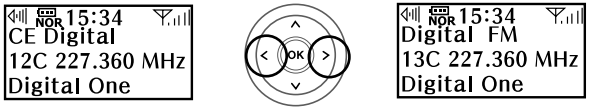
■ Tune to stations

With the first line highlighted :

1. Press and hold the ⟨ or ⟩ on the control stick to select your desired service.

2. The player will highlight the line and step through the available stations.

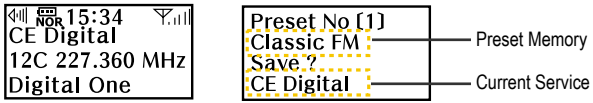
Press OK button when required station appears. The player will display present service information.



Using Manual Mode

■ To save service to Preset list

1. Press the DAB PRESET button to save current service. 'save preset?' screen will be displayed on LCD screen.

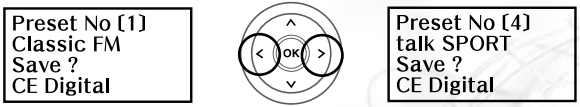


Note

- Second line shows which service had been saved in selected preset number.
- Fourth line shows the current services which user desired to save.

2. Press ⟨ or ⟩ button to change preset memory number.

At desired preset number, please press OK button to save.



Note

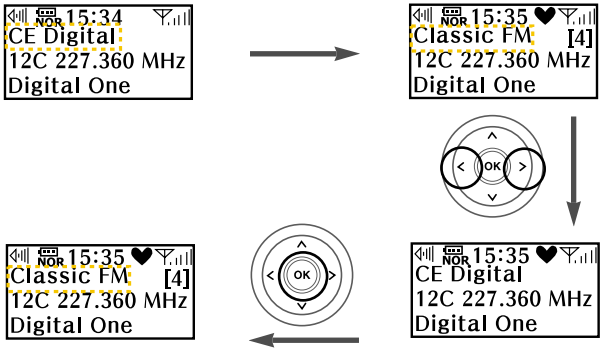
- Up to 20 presets can be stored.
- If the selected preset number is empty, the display will shows 'Empty'.
- To cancel anything, press Play button.

Using Preset Mode

Preset tune

If preset icon is not displayed, first press and hold DAB PRESET button to enter preset tuning mode.

Now pressing (|< or >|) will show saved preset list.



Note

- If there are no services in the preset list, the tune mode will be changed to manual mode automatically. Please auto scan first.
- The frequency of manual tune is not saved, last frequency of preset tune mode will be tuned when user changes tune mode to preset.

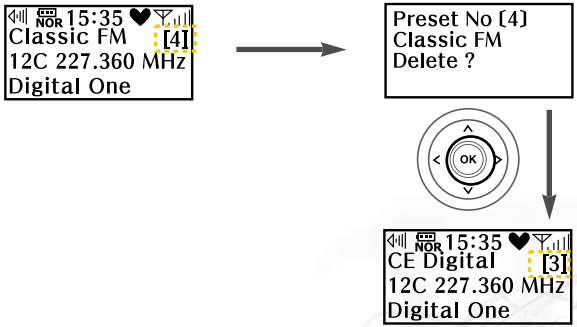
Using Preset Mode

■ To delete service from Preset list

1. Press DAB PRESET button to delete current service from preset list.

'Delete preset' screen will be displayed on LCD screen.

2. Press OK button to delete.



3. After deleting, previous service will be tuned.

Note

- Preset deleting is only activated in Preset mode.

DAB Record Function

■ Temporary Record

1. Press DAB button to start recording.
2. Press OK button until time is highlighted.
3. Press ⏮ or ⏭ to skip forward or backwards through the recorded DAB radio.
4. Press DAB button to stop recording.

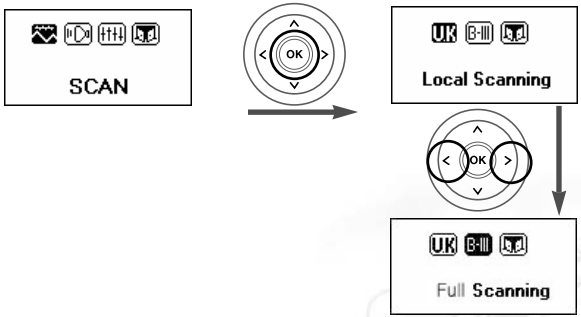
Note

- This is a temporary record function. As soon as you exit the menu the recording will automatically be deleted.
- The DAB Record function will not operate if the battery is low.
- The function will stop if the amount of saved data exceeds the memory capacity.

DAB Setting

■ SCAN

1. For easy and quick station scan, press and hold OK button.
2. **Move cursor at desired menu** – If local scanning be selected, the scanning will be only scan in UK area, if full scanning be selected, the scanning will be take some time but scan all band III area.



Note

- In areas where the signal is weak, some stations may not be available.
- When the player can't find any service, please check local area has DAB coverage.
- To exit, press Play button.

DAB Setting

■ Announcement

- DAB provides data services such as traffic, transport, news, weather, sports, financial etc. User can select which data to receive.

1. Press and hold (OK) button, move cursor at announcement menu.

2. Press (OK) button to enter. At desired data, press (OK) button.
The icon will be change to a smile icon.

3. To deselect, press (OK) at smile icon.

Note

■ Announcement information availability will vary from region to region

DAB Setting

■ Equalizer

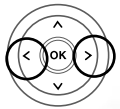
- User can adjust the sound according to preference.

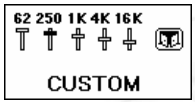
1. Press and hold the (OK) button to get into the menu mode.

2. Move the cursor to EQUALIZER icon. Press (OK) button to enter.

3. Move the cursor to desired EQ and press (OK) button.

- At custom EQ, there are 5 band frequency steps.
User can adjust equalizer. (- 12dB ~ + 12dB)



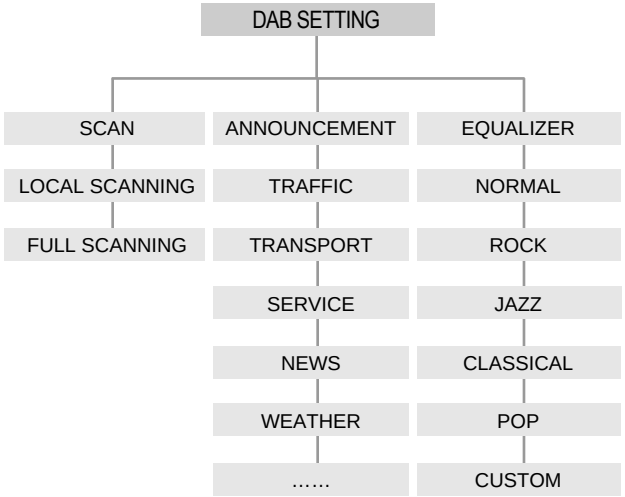


Note

■ To exit, press (▶/II) button.

DAB Menu Tree

■ DAB SETTING



Play Music File

■ To Play Music File

1. **While in DAB mode, press and hold the MODE button.**
2. **Press ▶/II button to start/ pause music playback.**
3. **Skip to next/ previous music file, press ⏮ or ⏭ using the control stick.**
   ⏮ : Skip to the previous music file
   ⏭ : Skip to the next music file
4. **To fast search, press and hold the ⏮ or ⏭ using the control stick.**
   Release the control stick for normal playback.
   ⏮ : Fast- rewind
   ⏭ : Fast- forward

ATMT TECHNOLOGY AT ITS BEST

Music Library

■ Using Music Library

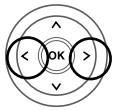
- The Music Library allows you to easily select your desired music files.

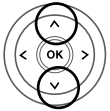
1. **Press (OK) button to enter the MUSIC LIBRARY.**
2. **Select the music browse menu to select artist, albums, tracks, favorites, new music, genres, years, play lists, folders.**
3. **Artist name and file name will be displayed on LCD screen.**

Note

- To exit from the music library, press the (▶/II) button.
- Use the Control Stick to navigate through the Music Library as follows :

Move Up/ Down





Next/ Previous library level

A-B Repeat

■ A-B Repeat

1. **While playing your music file, press (MODE) button to select the beginning (A) point.**
2. **Press (MODE) button again to select the end (B) point.**
   The selected interval will play repeatedly.
3. **To cancel A-B repeat, press (MODE) button.**

Music Setting

■ Play Mode

- Within play mode you have the option of the following settings : normal, shuffle once, shuffle repeat, track once, repeat track, repeat all and intro.

1. Press and hold (OK) button to get in to the MENU mode.

2. Press (OK) button to enter PLAY MODE, move cursor to the desired play mode and press (OK) button again.

Normal	Play all files in the player, then stops	
Shuffle Once	Randomly play all files in the player, then stops	
Shuffle Repeat	Randomly play all files in the player repeatedly	
Track Once	Play one file, then stops	
Track Repeat	Play one file repeatedly	
Repeat All	Play all files in the player repeatedly	
Intro	Play introductions of all files	

Music Setting

■ Equalizer

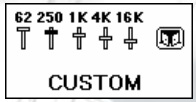
- You can adjust the sound to your preference.

1. Press and hold the (OK) button to enter MENU mode.

2. Move the cursor to EQUALIZER icon. Press (OK) button to enter.

3. Move the cursor to desired EQ and press (OK) button.

- In custom EQ, there are 5 band frequency steps which can be adjusted.



Music Setting

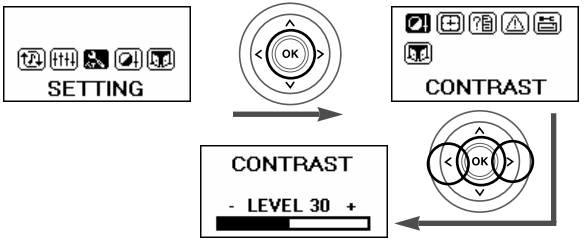
- You can configure your player's settings to adjust any of the following : Contrast, Idle Shutdown time, System Reset, Memory Format.

■ Basic Usage

1. **Press and hold (OK) button to enter the MENU mode.**
2. **Press (OK) button to enter the set menu, use the OK control stick to highlight the required icon and press (OK) button again to select.**
   Change the value using the OK control stick by moving it up and down, left or right.
3. **To exit set menu, press (▶/II) button.**

■ Contrast

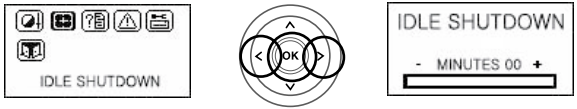
The LCD contrast can be adjust from 0 to 100.



Music Setting

■ Idle Shutdown

This function will switch the player off after a set time between 1- 20 minutes. If the player is idle, the 00 setting disables this function.



■ Information

User can check system information – model name, firmware version, memory status.

Note

- Some memory is reserved for firmware and system management.

■ Factory Setting

Player can be reset to factory default values.

■ Format

The memory can only be formatted through the player, not a PC.

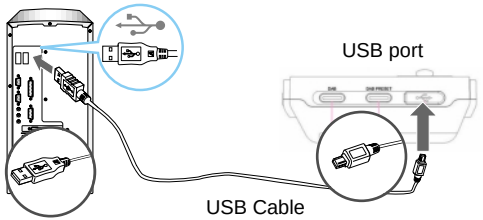
Note

- Care must be taken as formatting and factory reset can delete files or make them unreadable.

ATMT TECHNOLOGY AT ITS BEST

Before Using USB mode

1. **USB driver is installed on your PC automatically when user connects to PC by USB cable at first time.**
2. **If your PC does not recognize the player in MTP mode, reset the player to MSC mode.**
3. **Connect to the player and PC by USB cable.**



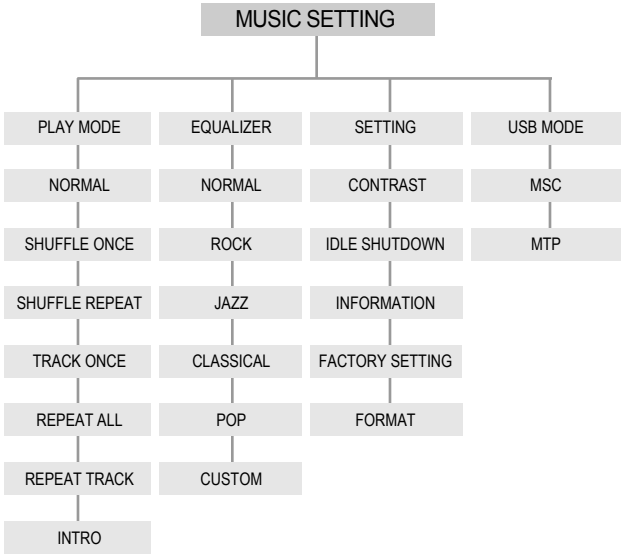
Use USB Mode

You can easily download data files to the player using Windows Explorer.
You can also use it as a Storage device to store data files.

1. **Connect the Player to PC.**
2. **Right click on the start button.**
3. **Choose Explore to Open Windows Explorer on PC.**
4. **Select the data file to save. Drag and drop it into the player.**

ATMT
TECHNOLOGY AT ITS BEST

Music Menu Tree



Update MP170 Series

1. **Download “Player.rom” file from authorized web site.**
2. **Connect the player to computer with USB cable and copy the file to “ROOT” on the player.**
3. **Disconnect the player from PC.**
   “New Firmware upgrade?" is displayed on the LCD of the player.
4. **Click ⏯ button to upgrade the player, firmware upgrade will automatically begin.**

   * If you do not upgrade the player, “New Firmware upgrade?" will displayed whenever power on.

Warning :

- All files on the flash memory will be erased upon format is completed ! Please backup the important files before format proceeds.
- Do not attempt to disconnect the MP3 player with your PC while Format and/or Update is in-progress. Disconnecting could cause severe damage to the player.

ATMT TECHNOLOGY AT ITS BEST

Precautions and Safety

- Please note: Because DAB digital radio is a developing technology, station availability can change without notice. As new multiplexes and transmitters are turned on, new stations will begin transmitting and new postcodes will be able to receive DAB digital radio. Conversely, some DAB radio stations may disappear without notice.
- Batteries - Batteries are easily swallowed by young children. Do not allow young children to play with the unit. Dispose of used batteries in an environmentally friendly manner.
- Temperature - Avoid extremes of temperature, either hot or cold, place your product well away from heat sources such as radiators or gas/ electric fires.
- Moisture - Do not allow your product to be exposed to rain, moisture or dust. If any liquid is spilt into this product it can cause serious damage. If you spill any liquid switch the unit off at the mains immediately. Contact your store immediately.
- Headphones - Do not use headphones or earphones while cycling or driving. It is dangerous and illegal in some areas. Also do not use at high volume. Hearing experts advise against listening to continuous, loud and extended play. Reduce volume while walking especially at pedestrian crossings.

USB Storage Device Data Protection

Always insert the USB device in the correct direction. Failure to do so may result in damage to the USB device and this product.
Do not remove the USB device whilst it is being accessed.
Electrical interference and electrostatic discharges may cause the USB device to malfunction and suffer damage, resulting in data loss.
It is strongly recommended that any important data is backed up on a PC to protect against corruption, data loss or device malfunction. Please note that our company shall not accept any liability for damage or loss of stored data.

About DAB

What is Digital Radio?

DAB (Digital Audio Broadcasting) is the next generation of radio.
DAB was developed in Europe by a consortium of broadcasters and manufacturers. DAB uses digital compression techniques to transform the source material, i.e. music and speech into digital computer code before it is transmitted. The computer code consists of electronic 'ones and zeros' called binary digits or bits. The binary code is then multiplexed or grouped together and compared to the older analogue system creates a superior signal with the following key benefits:

Near CD quality sound

Because DAB is binary coded, the receiving equipment is only expecting to receive a series of ones and zeros, so any other interference is ignored, resulting in very high quality audio.

Interference free reception

Analogue systems suffer from an effect called 'multipath distortion'. This is caused because radio waves do not behave in an orderly fashion, but bounce and reflect off buildings and mountains, etc. DAB sees this as an advantage and uses the direct and reflected signals to actually reinforce the end result.

No need to re- tune

A single DAB frequency can be used to cover the whole of the UK, so solving many of the problems experienced with the earlier analogue system.

ATMT
TECHNOLOGY AT ITS BEST

DAB Frequency Table

■ Band III Frequency Table

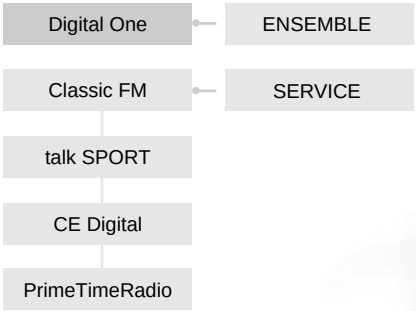
- For more detailed information, please refer to the world DAB forum. (www. worlddab.org > DAB worldwide > World wide Frequency)

Frequency	Label	Frequency	Label	Frequency	Label
174.928	5A	199.360	8C	220.352	11C
176.640	5B	201.072	8D	222.064	11D
178.352	5C	202.928	9A	223.936	12A
180.064	5D	204.640	9B	224.096	12N
181.648	6A	206.352	9C	225.648	12B
183.648	6B	208.064	9D	227.360	12C
185.360	6C	209.936	10A	229.072	12D
187.072	6D	210.096	10N	230.784	13A
188.928	7A	211.648	10B	232.496	13B
190.640	7B	213.360	10C	234.208	13C
192.352	7C	215.928	10D	235.776	13D
194.064	7D	216.928	11A	237.488	13E
195.936	8A	217.088	11N	239.200	13F
197.648	8B	218.640	11B		

DAB Information

■ What is Service and Ensemble?

- Digital Radio is different from Analog Radio.
- Services are bundled into groups, called an ENSEMBLE. Services are favorite programmes, ensembles are service broadcaster.



- In service information, you can check artist, song title, present time, program type, etc.

ATMT
TECHNOLOGY AT ITS BEST

Trouble Shooting

Fault	Solution
The Player does not turn on	• Replace battery. • Check polarity of battery.
DAB signal cannot be received	• Adjust position of earphone antenna. • Use the included earphone. • Check if you are out of available DAB service area. • Try to tune other channels..
After saving files in the ATMT, “No File” appears in the screen	• Check to see if MP3 or WMA files are saved in the built- in memory
No Audio	• Earphone is not properly plugged in or malfunctioning. • Volume is fully turned down, adjust volume
LCD dim	• Adjust the contrast of the LCD display

Product Specification

Category	Specification
Model Name	MP170
Frequency Range	DAB - Band III: 174 MHz ~ 240 MHz Audio - 20 Hz ~ 20 KHz
Antenna	Earphone
Battery	AA Alkaline x 1 (not included)
Audio Output Power	24mW + 24mW(L+R) @16Ω
S/N Ratio	85dB
Memory Capacity	1 GB
File System	FAT16 / FAT32
File support type	MP2(MUSICAM) / MP3 / WMA
File support Bit Rate	DAB - Up to 384kbps Music - Full Bit Rate
DAB Record	Up to 1-hour @192Kbps, UEP3
Dimension	39 x 80 x 29mm
Weight	40g (without battery)
Operating Temperature	-5°C ~ +35°C

* 1 MB = 1,000,000 Bytes / 1 GB = 1,000 MB = 1,000,000,000 Bytes
Not all memory available for storage. Memory is not expandable.